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FRENCH, per, Journal of Insect Physiology, Vol 10, No 5, 1964, pp 797-804, Vol 11, pp 65-69. 1964, CSIRO/No. 7365

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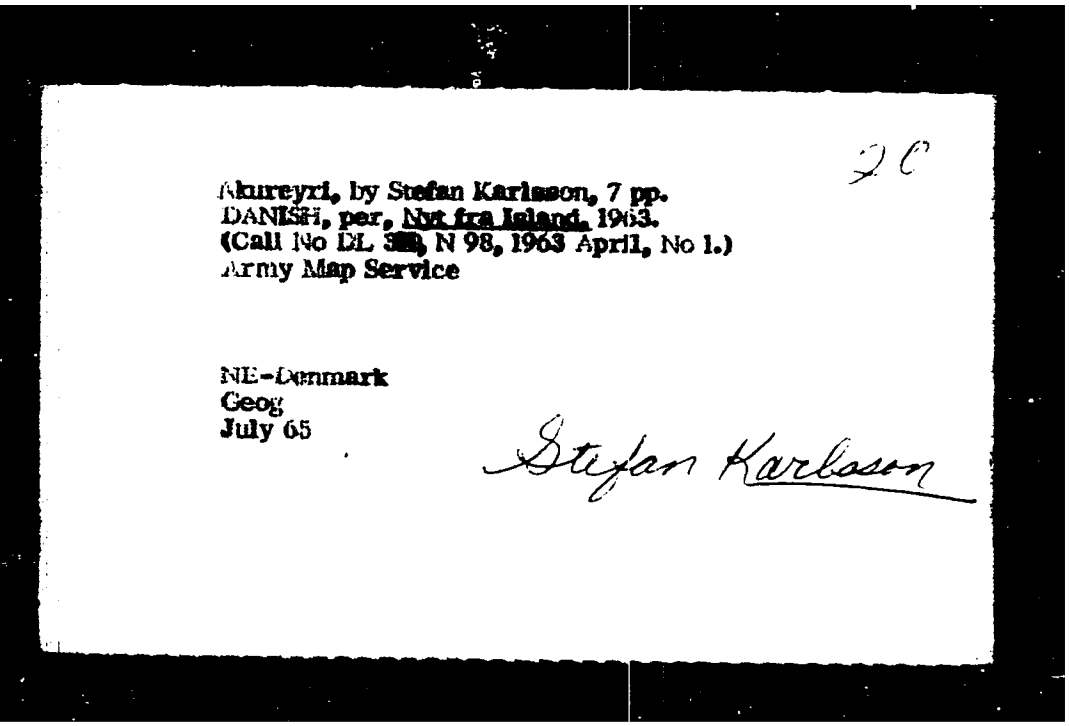

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THE POSSIBILITIES OF USING LIQUID FUEL IN IRON AND STEEL WORKS. June 48, 23p.
Order from SLA $2.60 60-18818

Trans. of Varmlandska Bergsmannaforening, Annaler (Sweden) 1946, p. 47-94.

DESCRIPTORS: Iron, Steel, Processing, *Fuels, Liquids, *[illegible], *Oil burning furnaces, Fuel consumption.

(Metallurgy, TT, v. 7, no. 6)

60-18818

1. Karlsson, W.

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Karlykov, D. M.
X-RAY INVESTIGATION OF THE SHORT DISTANCE ORDER OF LIQUID CADMIUM AMALGAMS. [1961] [10]p. 9 refs.
Order from OTS or SLA $1.10 62-13393

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1957, v. 2, no. 2, p. 43-48.

DESCRIPTORS: Liquids, *Cadmium, *Mercury alloys, Alloys, X-ray diffraction analysis.

An X-ray investigation was made of liquid solutions of cadmium in mercury. The X-ray photographs were obtained in copper radiation, monochromatized by means of a curved quartz crystal. The photographs were made from the free surface of the liquid alloy in a vacuum chamber with a radius of 38 mm. During the exposure of the photograph the temperature of the sample was
(Metallurgy, TT, v. 7, no. 1) (over)

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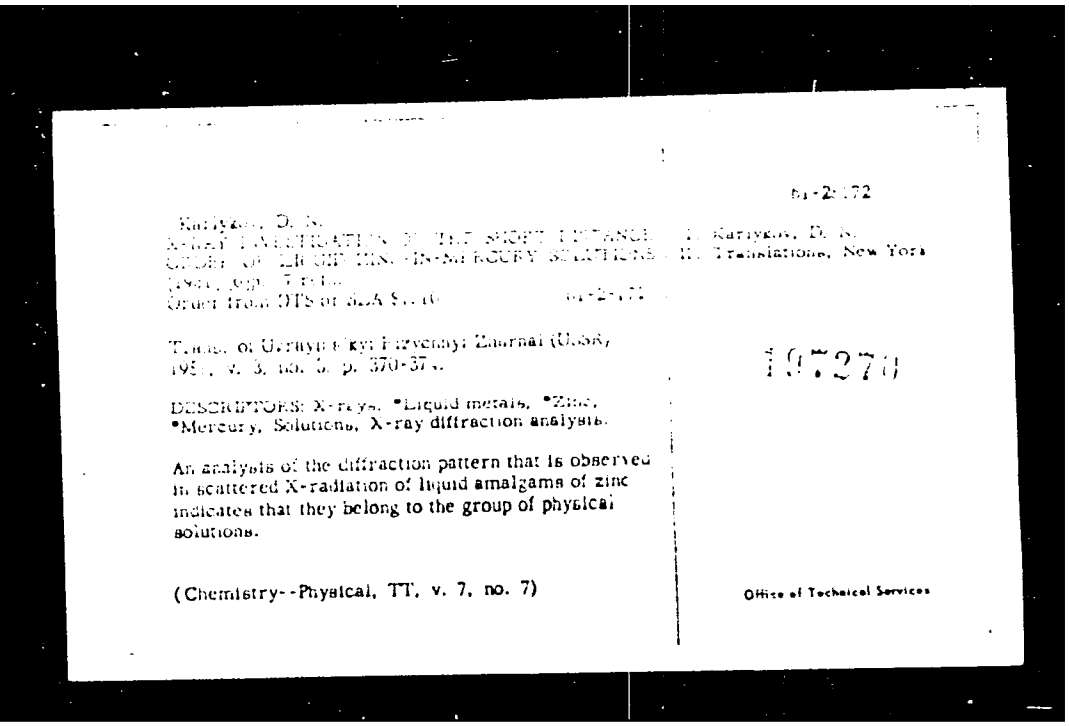

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Kariyakin, D. N.
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Zhurn. obsh. khim. (Journ. gen. Chem.)
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II. Translations, New York

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (Ukr. SSR), 1958, v. 3, no. 5, p. 370-374.

DESCRIPTORS: X-rays, *Liquid metals, *Zinc, *Mercury, Solutions, X-ray diffraction analysis.

An analysis of the diffraction pattern that is observed in scattered X-radiation of liquid amalgams of zinc indicates that they belong to the group of physical solutions.

(Chemistry--Physical, TT, v. 7, no. 7)

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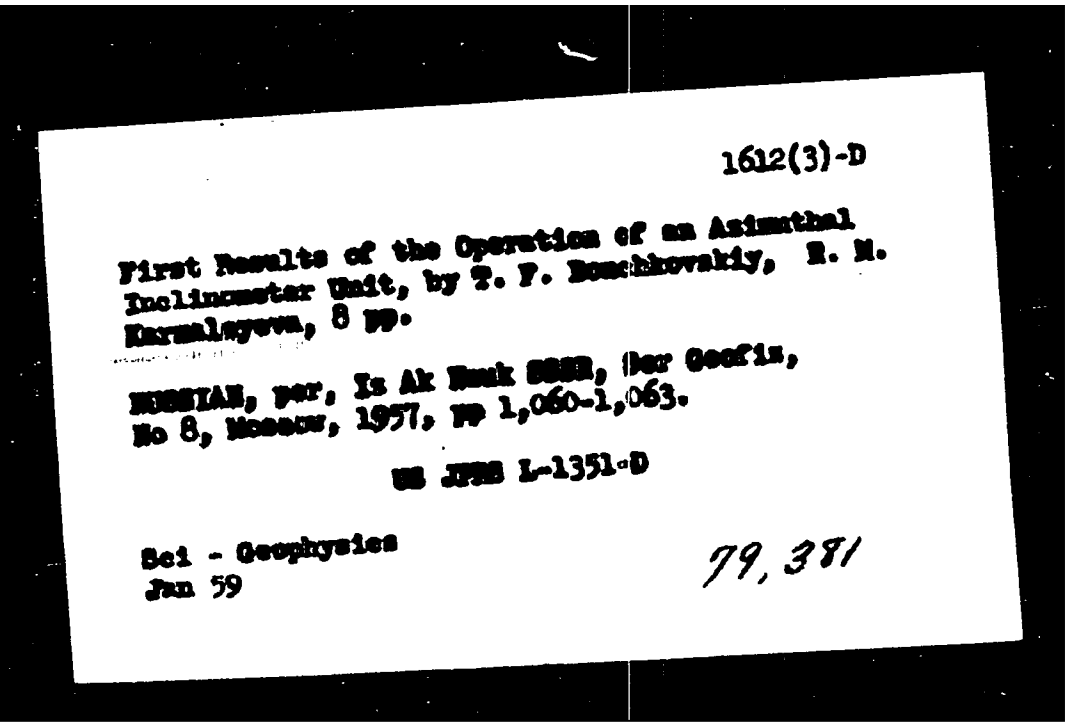

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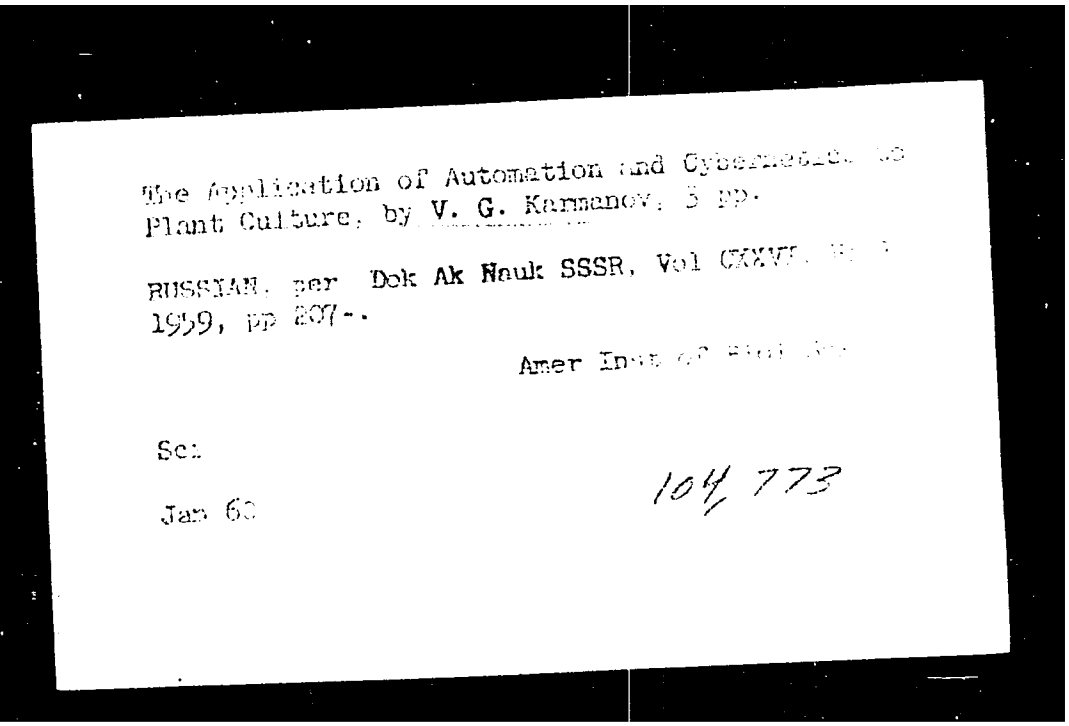

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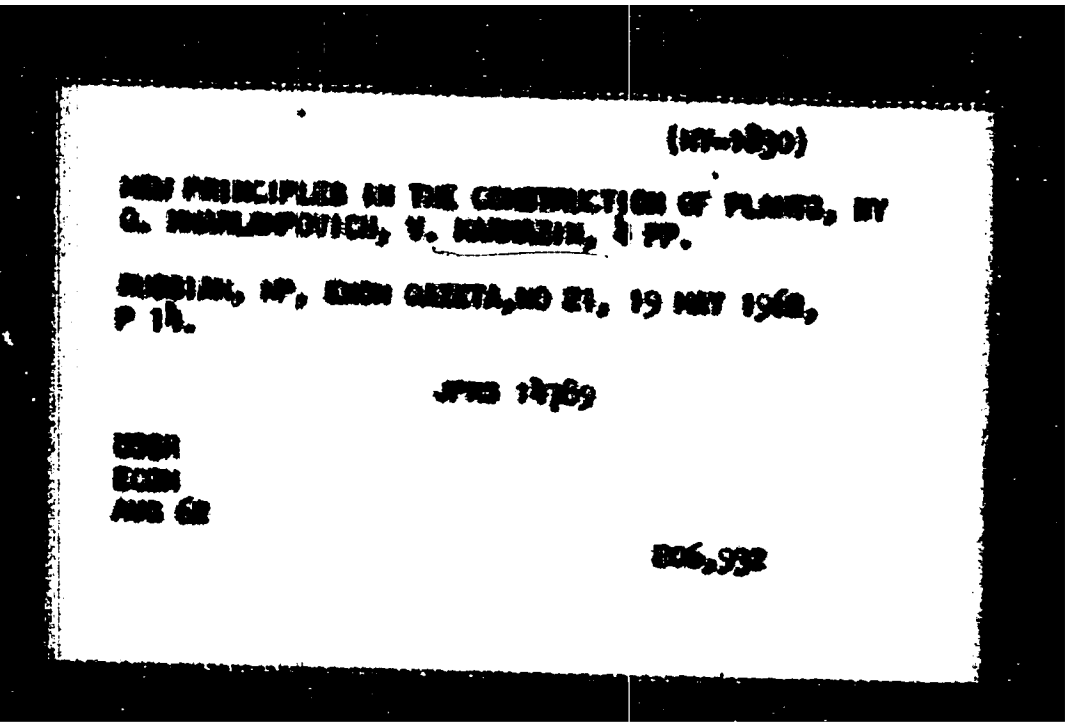

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JPRS 28447

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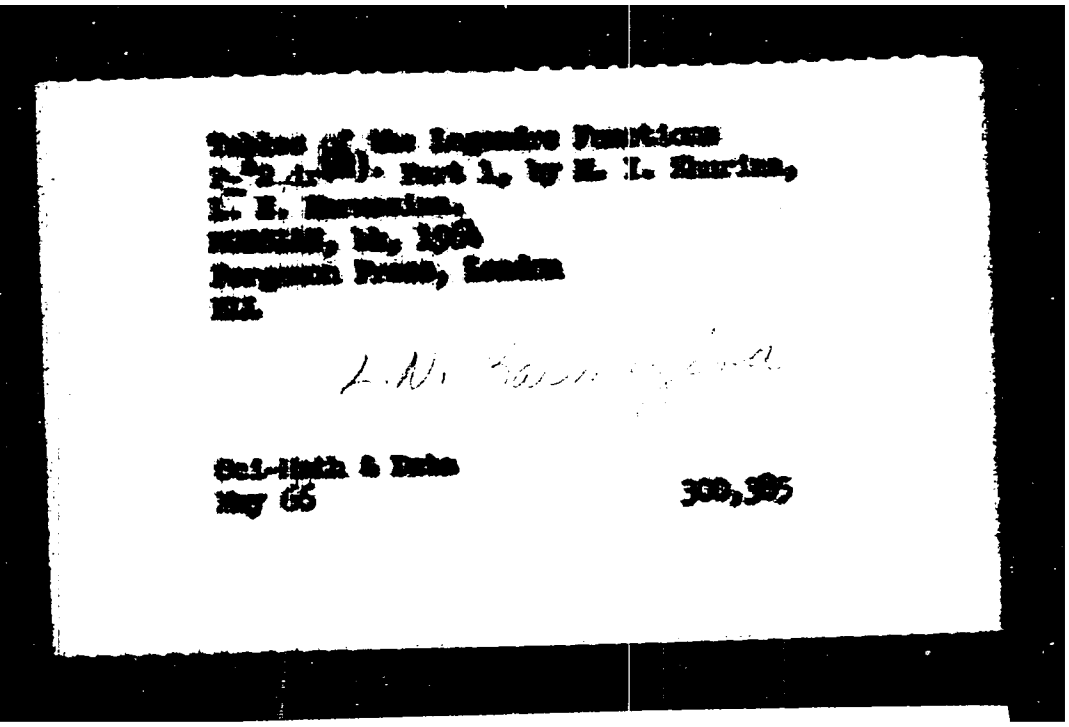

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An experimental investigation is made of the kinetics of the initial step of the high-temperature nitric oxide-catalyzed oxidation of methane on the basis of analysis of the reaction products. Formaldehyde is the main product of the initial step in methane oxidation over a wide range of conditions. Methanol is concurrently formed to a much smaller extent. Participation of oxygen in growth and branching of the oxidation chains is established. The rate of growth of active centres is first order with respect to the NO concentration. (Chemistry--Physical, TT, v. 5, no. 8) (over)

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Trans. of Tsitologiya (USSR) 1962, v. 4, no. 5, p. 565-570. (Abstract available)

DESCRIPTORS: *Polysaccharides, *Ovary, Glycogen, Mammals, *Radiation sickness, Radiation effects, Histological techniques.

The ovaries of mammals contain glycogen, hyaluronic and chondroitin-sulfuric acids, and specific polysaccharides of the degenerating oocytes, macrophages and giant cells, combined with proteins and lipids. Glycogen in large amounts is found in the cytoplasm of the oocytes (Biological Sciences--Radiobiology, TT, v. 11, no. 6)
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